

WHAT IS CLAIMED IS:

1. A liquid containing bag comprising: a bag main body containing a liquid and having flexibility; and an outer layer member disposed outside the bag main body, capable of forming a sealed space between the member and the bag main body, and having the flexibility.

2. The liquid containing bag according to claim 1, further comprising: an outlet member connecting the inside of the bag main body to the outside; and a communication port member connecting the space between the outer layer member and the bag main body to the outside.

3. A frozen dessert manufacturing apparatus using the liquid containing bag according to claim 1 or 2, comprising: a cold storage which cold-stores the liquid containing bag containing the mixture in the bag main body; a cooling cylinder which stirs and cools the mixture flowing out of the bag main body of the liquid containing bag to thereby manufacture frozen dessert; a cooling device which cools the cold storage or the cooling cylinder; and an air compression device which supplies compressed air between the outer layer member and the bag main body of the liquid containing bag and which pushes out the mixture in the bag main body.

4. A frozen dessert manufacturing apparatus comprising: a cold storage which cold-stores a liquid containing bag constituted of a bag main body containing a mixture and having flexibility and an outer layer member

disposed outside the bag main body, capable of forming a sealed space between the member and the bag main body, and having flexibility; a cooling cylinder which stirs and cools the mixture supplied from the liquid containing bag to thereby manufacture frozen dessert; a cooling device which cools the cold storage or the cooling cylinder; an air compression device; a mixture supply passage for connecting the inside of the bag main body of the liquid containing bag to the inside of the cooling cylinder; a bag pressurizing passage for supplying compressed air produced by the air compression device between the outer layer member and the bag main body of the liquid containing bag; and an air supply passage for supplying compressed air into the cooling cylinder.

5. The frozen dessert manufacturing apparatus according to claim 4, comprising: a check valve which is in a forward direction on the side of the cooling cylinder in a path in which the mixture supplied to the cooling cylinder from the liquid containing bag flows and in a path in which the compressed air supplied to the cooling cylinder from the air compression device flows.

6. A frozen dessert manufacturing apparatus comprising: a cold storage which cold-stores a liquid containing bag constituted of a bag main body containing a mixture and having flexibility and an outer layer member disposed outside this bag main body, capable of forming a sealed space between the outer layer member and the bag

main body, and having flexibility; a cooling cylinder which stirs and cools the mixture supplied from the liquid containing bag to thereby manufacture frozen dessert; a cooling device which cools the cold storage or the cooling cylinder; an air compression device; a mixture supply passage for connecting the inside of the bag main body of the liquid containing bag to the inside of the cooling cylinder; a bag pressurizing passage for supplying compressed air produced by the air compression device between the outer layer member and the bag main body of the liquid containing bag; and an air supply passage for supplying compressed air into the cooling cylinder, wherein the mixture supply passage is combined with the air supply passage, and thereafter connected to the inside of the cooling cylinder.

7. The frozen dessert manufacturing apparatus according to claim 6, further comprising: a combined passage member detachably attached to the cooling cylinder and disconnectably connected to the mixture supply passage and the air supply passage.

8. The frozen dessert manufacturing apparatus according to claim 7, further comprising: check valves which are connected between the mixture supply passage and the combined passage member and between the air supply passage and the combined passage member and which are in a forward direction on the side of the combined passage member.

9. The frozen dessert manufacturing apparatus according to claim 7 or 8, wherein the combined passage member is disposed in the cold storage.

10. The frozen dessert manufacturing apparatus according to claim 4, 5, 6, 7, 8, or 9, wherein the mixture supply passage is disposed in the cold storage.